



PATENT
Attorney Docket No. EPICEN-09587

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of: Elana K. Davydova, et al Group No.: 1652
Serial No.: 10/743,975 Examiner: Hutson, R. G.
Filed: 12/23/2003
Entitled: **Target-Dependent Transcription Using Deletion Mutants of N4 RNA Polymerase**

**INFORMATION DISCLOSURE
STATEMENT TRANSMITTAL**

Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

CERTIFICATE OF MAILING UNDER 37 CFR § 1.8(a)

I hereby certify that this correspondence is being deposited with the United States Postal Service as first class mail in an envelope addressed to the: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450, on November 1, 2006.

By: _____

Mary Ellen Waite

Sir or Madam:

Enclosed please find an Information Disclosure Statement and Form PTO-1449, including copies of the references contained thereon, for filing in the U.S. Patent and Trademark Office.

A check for \$180.00 is also enclosed pursuant to 37 C.F.R. § 1.17(p) for filing this Information Disclosure Statement after three months as set forth in C.F.R. § 1.97(c).

The Commissioner is hereby authorized to charge any additional fee or credit overpayment to our Deposit Account No. 08-1290. An originally executed duplicate of this transmittal is enclosed for this purpose.

Dated: November 1, 2006

Jason R. Bond
Registration No. 45,439

MEDLEN & CARROLL, LLP
101 Howard Street, Suite 305
San Francisco, California 94105
608/218-6900



PATENT
Attorney Docket No. **EPICEN-09587**

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of: Elana K. Davydova, et al
Serial No.: 10/743,975
Filed: 12/23/2003
Entitled: **Target-Dependent Transcription Using Deletion Mutants of N4 RNA Polymerase**


Group No.: 1652
Examiner: Hutson, R. G.

INFORMATION DISCLOSURE STATEMENT

Mail Stop Amendment
Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

CERTIFICATE OF MAILING UNDER 37 CFR § 1.8(a)(1)(i)(A)
I hereby certify that this correspondence (along with any referred to as being attached or enclosed) is, on the date shown below, being deposited with the U.S. Postal Service with sufficient postage as first class mail in an envelope addressed to: Mail Stop Amendment, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

Date: November 1, 2006

By: 
Mary Ellen Waite

Sir or Madam:

The citations listed below may be material to the examination of the above-identified application, and are therefore submitted in compliance with the duty of disclosure defined in 37 C.F.R. §§ 1.56 and 1.97. The Examiner is requested to make these citations of official record in this application.

- U.S. Patent No. 5,021,335
- U.S. Patent No. 5,168,038
- U.S. Patent No. 5,545,522
- U.S. Patent No. 5,514,545
- U.S. Patent No. 5,716,785

11/07/2006 RNSBYEN1 00000000 10743975

01 FC:1601

100.00 UP

- U.S. Patent No. 5,891,636
- U.S. Patent No. 5,958,688
- U.S. Patent No. 6,291,170
- U.S. Patent No. 5,130,238
- U.S. Patent No. 5,194,370
- U.S. Patent No. 5,399,491
- U.S. Patent No. 5,409,818
- U.S. Patent No. 5,437,990
- U.S. Patent No. 5,466,586
- U.S. Patent No. 5,554,517
- U.S. Patent No. 5,665,545
- U.S. Patent No. 6,063,603
- U.S. Patent No. 6,090,591
- U.S. Patent No. 6,100,024
- U.S. Patent No. 6,410,276
- U.S. Patent No. 4,883,750
- U.S. Patent No. 5,242,794
- U.S. Patent No. 5,521,065
- U.S. Patent No. 5,962,223
- U.S. Patent No. 6,054,266
- U.S. Patent No. 4,988,617
- U.S. Patent No. 5,866,337
- U.S. Patent No. 5,871,921
- U.S. Patent No. 5,686,272
- U.S. Patent No. 5,869,252
- U.S. Patent No. 5,494,810
- U.S. Patent No. 5,830,711
- U.S. Patent No. 6,054,564

- U.S. Patent No. 6,027,889
- U.S. Patent No. 6,268,148
- U.S. Patent No. 6,312,892
- U.S. Patent No. 5,912,148
- U.S. Patent No. 6,130,073
- U.S. Patent No. 6,245,505
- U.S. Patent No. 5,427,930
- U.S. Patent No. 5,792,607
- U.S. Patent No. 5,679,524
- U.S. Patent No. 5,952,174
- U.S. Patent No. 6,025,139
- U.S. Patent No. 6,355,431
- U.S. Patent No. 6,153,384
- U.S. Patent No. 5,976,806
- U.S. Patent No. 5,807,674
- U.S. Patent No. 6,344,329
- U.S. Patent No. 6,210,884
- U.S. Patent No. 6,183,960
- U.S. Patent No. 5,854,033
- U.S. Patent No. 6,329,150
- U.S. Patent No. 6,143,495
- U.S. Patent No. 6,316,229
- U.S. Patent No. 6,287,824
- U.S. Patent No. 5,426,180
- U.S. Patent No. 5,674,683
- U.S. Patent No. 5,714,320
- U.S. Patent No. 5,683,874
- U.S. Patent No. 5,872,105

- U.S. Patent No. 6,077,668
- U.S. Patent No. 6,096,880
- U.S. Patent No. 6,368,802
- U.S. Patent No. 5,648,245
- U.S. Patent No. 6,274,320
- U.S. Patent No. 6,323,009
- U.S. Patent No. 6,562,575
- U.S. Patent No. 6,221,603
- WO 00/75356
- WO 02/065093
- WO 89/06700
- WO 91/18155
- WO 02/16639
- WO 00/56877
- WO 00/28082
- WO 00/11160
- WO 02/114476
- WO 92/01813
- EP 0427073 A2
- EP 0427074 A2
- EP 0329 822 B1
- EP 0246864 B1
- EP 0320308 A2
- EP 0320308 B1
- WO 89/09835
- EP 0336731 B1
- EP 0357336 A2
- EP 0439182 A2

- JP4304900
- JP4262799
- Murakawa et al., DNA 7:287-295, 1988
- Phillips and Eberwine, Methods in Enzymol. Suppl. 10:283-288, 1996
- Ginsberg et al., Ann. Neurol. 45:174-181, 1999
- Ginsberg et al., Ann. Neurol. 48:77-87, 2000
- VanGelder et al., Proc. Natl. Acad. Sci. USA 87:1663-1667, 1990
- Eberwine et al., Proc. Natl. Acad. Sci. USA 89:3010-3014 (1992)
- Kwoh et al., Proc. Natl. Acad. Sci. USA 86:1173, 1989
- Fahy et al, In: PCR Methods and Applications, pp. 25-33, 1991
- Prakash, G. and Kool, E., J. Am. Chem. Soc. 114: 3523-3527, 1992
- Daubendiek, S.L. et al., J. Am. Chem. Soc. 117: 7818-7819, 1995
- Liu, D. et al., J. Am. Chem. Soc. 118: 1587-1594, 1996
- Daubendiek, S.L. and Kool, E.T., Nature Biotechnol., 15: 273-277, 1997
- Diegelman, A.M. and Kool, E.T., Nucleic Acids Res., 26: 3235-3241, 1998
- Diegelman, A.M. and Kool, E.T., Chem. Biol., 6: 569-576, 1999
- Diegelman, A.M. et al., BioTechniques 25: 754-758, 1998
- Frieden, M. et al., Angew. Chem. Int. Ed. Engl. 38: 3654-3657, 1999
- Kool, E.T., Acc. Chem. Res., 31: 502-510, 1998
- Falco, et al., Proc. Natl. Acad. Sci. (USA) 75:3220-3224, 1978
- Glucksmann-Kuis, et al., Cell, 70, 491-500, 1992
- Fire, A. and Xu, S-Q, Proc. Natl. Acad. Sci. USA, 92: 4641-4645, 1995
- Dean et al., Genome Res., 11: 1095-1099, 2001
- Nilsson et al., Nucleic Acids Res., 30 (14): e66, 2002
- Pickering et al. Nucleic Acids Res., 30 (12): e60, 2002
- Haynes, et al., Cell 41:597-605, 1985
- Falco, et al., J. Biol. Chem. 255:4339-4347, 1980
- Glucksmann-Kuis, et al., Cell 84:147-154, 1996

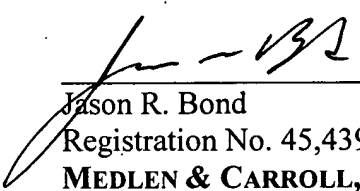
- Dai et al., Genes Develpmnt. 12:2782-2790, 1998
- Davidova, EK and Rothman-Denes, LB, Proc. Natl. Acad. Sci. USA 100:9250-9255, 2003
- Baner, J et al., (Nucleic Acids Research, 26:5073-5078, 1998
- Markiewicz, et al., Genes and Dev. 6:2010-2019, 1992

Applicants wish to bring to the examiners attention that we are not providing copies of US Patents as instructed under 37 CFR 1.98(a)(2).

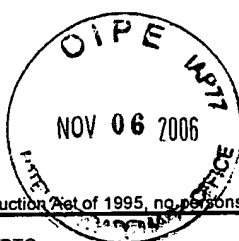
Applicants' herewith submit the International Search Report for the corresponding PCT Application No. PCT/US2003/041046.

This Information Disclosure Statement under 37 C.F.R. §§ 1.56 and 1.97 is not to be construed as a representation that a search has been made, that additional information material to the examination of this application does not exist, or that any one or more of these citations constitutes prior art.

Dated: November 1, 2006



Jason R. Bond
Registration No. 45,439
MEDLEN & CARROLL, LLP
101 Howard Street, Suite 350
San Francisco, California 94105
608/218-6900



PTO/SB/08A (08-03)

Approved for use through 07/31/2006. OMB 0651-0031

U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for form 1449/PTO

**INFORMATION DISCLOSURE
STATEMENT BY APPLICANT**

(Use as many sheets as necessary)

Complete if Known

Application Number	10/743,975
Filing Date	12/23/2003
First Named Inventor	Davydova et al.
Art Unit	
Examiner Name	
Attorney Docket Number	EPICEN-09587

Sheet 1 of 7

U. S. PATENT DOCUMENTS

Examiner Initials*	Cite No. ¹	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number-Kind Code ² (if known)			
	1	US- 6,221,603			whole document
	2	US- 5,021,335	06/04/1991	Tecott, et al.	whole document
	3	US- 5,168,038	12/01/1992	Tecott, et al.	whole document
	4	US- 5,545,522	08/13/1996	Van Gelder, et al.	whole document
	5	US- 5,514,545	05/07/1996	Eberwine	whole document
	6	US- 5,716,785	02/10/1998	Van Gelder, et al.	whole document
	7	US- 5,891,636	04/06/1999	Van Gelder, et al.	whole document
	8	US- 5,958,688	09/28/1999	Eberwine, ET AL.	whole document
	9	US- 6,291,170	09/18/2001	Van Gelder, et al.	whole document
	10	US- 5,130,238	07/14/1992	Malek, et al.	whole document
	11	US- 5,194,370	03/16/1993	Berninger, et al.	whole document
	12	US- 5,399,491	03/21/1995	Kacian, et al.	whole document
	13	US- 5,409,818	04/25/1995	Davey, et al.	whole document
	14	US- 5,437,990	08/01/1995	Burg, et al.	whole document
	15	US- 5,466,586	11/14/1995	Davey, et al.	whole document
	16	US- 5,554,517	09/10/1996	Davey, et al.	whole document
	17	US- 5,665,545	09/09/1997	Malek, et al.	whole document
	18	US- 6,063,603	05/16/2000	Davey, et al.	whole document
	19	US- 6,090,591	07/18/2000	Burg, et al.	whole document

FOREIGN PATENT DOCUMENTS

Examiner Initials*	Cite No. ¹	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages Or Relevant Figures Appear	T ⁶
		Country Code ³ Number ⁴ Kind Code ⁵ (if known)				
	20	WO 00/75356	12/14/2000	LIN, et al.	whole document	
	21	WO 02/065093	08/22/2002	GINSBERG, et al	whole document	
	22	WO 89/06700	07/27/1989	MILLER, et al.	whole document	
	23	WO 91/18155	11/28/1991	JACOBSEN, et al	whole document	
	24	EP 0427073	05/15/1991	Dattagupta, et	whole document	
	25	EP 0427074	05/15/1991	Dattagupta, et	whole document	

Examiner
SignatureDate
Considered

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. ¹ Applicant's unique citation designation number (optional). ² See Kinds Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04. ³ Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. ⁶ Applicant is to place a check mark here if English language Translation is attached.

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 (1-800-786-9199) and select option 2.

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for form 1449/PTO

**INFORMATION DISCLOSURE
STATEMENT BY APPLICANT**

(Use as many sheets as necessary)

Complete if Known

Application Number	10/743,975
Filing Date	12/23/2003
First Named Inventor	Davydova et al.
Art Unit	
Examiner Name	
Attorney Docket Number	EPICEN-09587

Sheet **2** of **7****U. S. PATENT DOCUMENTS**

Examiner Initials*	Cite No. ¹	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number-Kind Code ² (if known)			
	26	US- 6,100,024	08/08/2000	Hudson et al.	whole document
	27	US- 6,410,276	06/25/2002	Burg et al.	whole document
	28	US- 4,883,750	11/28/1989	Whiteley et al.	whole document
	29	US- 5,242,794	09/07/1993	Whiteley et al.	whole document
	30	US- 5,521,065	05/28/1996	Whiteley et al.	whole document
	31	US- 5,962,223	10/05/1999	Whiteley et al.	whole document
	32	US- 6,054,266	04/25/2000	Kronick et al.	whole document
	33	US- 4,988,617	01/29/1991	Landegren et al.	whole document
	34	US- 5,866,337	02/02/1999	Schon	whole document
	35	US- 5,871,921	02/16/1999	Landegren et al.	whole document
	36	US- 5,686,272	11/11/1997	Marshall et al.	whole document
	37	US- 5,869,252	02/09/1999	Bouma et al.	whole document
	38	US- 5,494,810	02/27/1996	Barany et al.	whole document
	39	US- 5,830,711	11/03/1998	Barany et al.	whole document
	40	US- 6,054,564	04/25/2000	Barany et al.	whole document
	41	US- 6,027,889	02/22/2000	Barany et al.	whole document
	42	US- 6,268,148	07/31/2001	Barany et al.	whole document
	43	US- 6,312,892	11/06/2001	Barany et al.	whole document
	44	US- 5,912,148	06/15/1999	Eggerding	whole document

FOREIGN PATENT DOCUMENTS

Examiner Initials*	Cite No. ¹	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages Or Relevant Figures Appear	T ⁶
		Country Code ³ Number ⁴ Kind Code ⁵ (if known)				
	45	WO 02/16639	02/28/2002	Sagawa et al.	whole document	
	46	WO 00/56877	09/28/2000	Mukai et al.	whole document	
	47	WO 00/28082	05/18/2000	Notomi et al.	whole document	
	48	WO 00/11160	02/03/2000	Ellis et al.	whole document	
	49	WO 02/11447	02/07/2002	SOUNDARARAJAN	whole document	
	50	WO 92/01813	02/06/1992	Ruth et al.	whole document	

Examiner
SignatureDate
Considered

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. ¹ Applicant's unique citation designation number (optional). ² See Kinds Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04. ³ Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. ⁶ Applicant is to place a check mark here if English language Translation is attached.

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 (1-800-786-9199) and select option 2.

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for form 1449/PTO

**INFORMATION DISCLOSURE
STATEMENT BY APPLICANT**

(Use as many sheets as necessary)

Complete if Known

Application Number	10/743,975
Filing Date	12/23/2003
First Named Inventor	Davydova et al.
Art Unit	
Examiner Name	
Attorney Docket Number	EPICEN-09587

Sheet 3

of 7

U. S. PATENT DOCUMENTS

Examiner Initials*	Cite No. ¹	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number-Kind Code ² (if known)			
	51	US- 6,130,073	10/10/2000	Eggerding	whole document
	52	US- 6,245,505	06/12/2001	Todd et al.	whole document
	53	US- 5,427,930	06/27/1995	Birkenmeyer et al.	whole document
	54	US- 5,792,607	08/11/1998	Backman et al.	whole document
	55	US- 5,679,524	10/21/1997	Nikiforov et al.	whole document
	56	US- 5,952,174	09/14/1999	Nikiforov et al.	whole document
	57	US- 6,025,139	02/15/2000	Yager et al.	whole document
	58	US- 6,355,431	03/12/2002	Chee et al.	whole document
	59	US- 6,153,384	11/28/2000	Lynch et al.	whole document
	60	US- 5,976,806	11/02/1999	Mahajan et al.	whole document
	61	US- 5,807,674	09/15/1998	Tyagi	whole document
	62	US- 6,344,329	02/05/2002	Lizardi	whole document
	63	US- 6,210,884	04/03/2001	Lizardi	whole document
	64	US- 6,183,960	02/06/2001	Lizardi	whole document
	65	US- 5,854,033	12/29/1998	Lizardi	whole document
	66	US- 6,329,150	12/11/2001	Lizardi et al.	whole document
	67	US- 6,143,495	11/07/2000	Lizardi et al.	whole document
	68	US- 6,316,229	11/13/2001	Lizardi et al.	whole document
	69	US- 6,287,824	09/11/2001	Lizardi	whole document

FOREIGN PATENT DOCUMENTS

Examiner Initials*	Cite No. ¹	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages Or Relevant Figures Appear	T ⁵
		Country Code ³ Number ⁴ Kind Code ⁵ (if known)				
	70	WO 89/09835	10/19/1989	Orgel	whole document	
	71	EP 0329822 B1	06/08/1994	Davey et al.	whole document	
	72	EP 0246864 A2	07/13/1994	carr et al.	whole document	
	73	EP 0246864 B2	07/13/1994	carr et al.	whole document	
	74	EP 0320308 A2	11/03/1988	Backman et al.	whole document	
	75	EP 0320308 B1	11/03/1988	Backman et al.	whole document	

Examiner
SignatureDate
Considered

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. ¹ Applicant's unique citation designation number (optional). ² See Kinds Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04. ³ Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. ⁶ Applicant is to place a check mark here if English language Translation is attached.

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 (1-800-786-9199) and select option 2.

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for form 1449/PTO

**INFORMATION DISCLOSURE
STATEMENT BY APPLICANT**

(Use as many sheets as necessary)

Sheet

4

of

7

Complete if Known

Application Number	10/743,975
Filing Date	12/23/2003
First Named Inventor	Davydova et al.
Art Unit	
Examiner Name	
Attorney Docket Number	EPICEN-09587

U. S. PATENT DOCUMENTS

Examiner Initials*	Cite No. ¹	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number-Kind Code ² (if known)			
		US- 5,426,180	06/20/1995	Kool	whole document
	76	US- 5,674,683	10/07/1997	Kool	whole document
	77	US- 5,714,320	02/03/1998	Kool	whole document
	78	US- 5,683,874	11/04/1997	Kool	whole document
	79	US- 5,872,105	02/16/1999	Kool	whole document
	80	US- 6,077,668	06/20/2000	Kool	whole document
	82	US- 6,096,880	08/01/2000	kool	whole document
	83	US- 6,368,802	04/09/2002	Kool	whole document
	84	US- 5,648,245	07/15/1997	Fire et al.	whole document
	85	US- 6,274,320	08/14/2001	Rothberg et al.	whole document
	86	US- 6,323,009	11/27/2001	Lasken et al.	whole document
	87	US- 6,562,575	05/13/2003	Dahl	whole document
	88	US- 6,221,603	04/24/2001	Mahtani	whole document
		US-			
		US-			
		US-			
		US-			
		US-			
		US-			

FOREIGN PATENT DOCUMENTS

Examiner Initials*	Cite No. ¹	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages Or Relevant Figures Appear	T ⁶
		Country Code ³ Number ⁴ Kind Code ⁵ (if known)				
	89	EP 0336731 B1	05/11/1994	Wallace	whole document	
	90	EP 0357336 A2	10/05/1994	Ullman et al.	whole document	
	91	EP 0439182 A2	04/24/1996	Backman et al.	whole document	
	92	EP 0439182 A2	04/24/1996	Backman et al.	whole document	
	93	JP4262799			whole document	
	94	JP4304900			whole document	

Examiner
SignatureDate
Considered

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. ¹ Applicant's unique citation designation number (optional). ² See Kinds Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04. ³ Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. ⁶ Applicant is to place a check mark here if English language Translation is attached.

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 (1-800-786-9199) and select option 2.

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for form 1449/PTO INFORMATION DISCLOSURE STATEMENT BY APPLICANT <i>(Use as many sheets as necessary)</i>		Complete if Known	
		Application Number	10/743,975
		Filing Date	12/23/2003
		First Named Inventor	Davydova et al.
		Art Unit	
		Examiner Name	
Sheet 5	of 7	Attorney Docket Number	EPICEN-09587

NON PATENT LITERATURE DOCUMENTS			
Examiner Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
	95	Murakawa et al., DNA 7:287-295, 1988	
	96	Phillips and Eberwine, Methods in Enzymol. Suppl. 10:283-288, 1996	
	97	Ginsberg et al., Ann. Neurol. 45:174-181, 1999	
	98	Ginsberg et al., Ann. Neurol. 48:77-87, 2000	
	99	Van Gelder et al., PNAS 87:1663-1667, 1990	
	100	Eberwine et al., Proc. Natl. Acad. Sci. USA 89:3010-3014, 1992	
	101	Kwoh et al., Proc. Natl. Acad. Sci. USA 86:1173, 1989	
	102	Fahy et al, In: PCR Methods and Applications, pp. 25-33, 1991	
	103	Prakash, G. and Kool, E., J. Am. Chem. Soc. 114: 3523-3527, 1992	
	104	Daubendiek, S.L. et al., J. Am. Chem. Soc. 117: 7818-7819, 1995	

Examiner Signature		Date Considered	
--------------------	--	-----------------	--

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

1 Applicant's unique citation designation number (optional). 2 Applicant is to place a check mark here if English language Translation is attached. This collection of information is required by 37 CFR 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 (1-800-786-9199) and select option 2.

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for form 1449/PTO INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Use as many sheets as necessary)		Complete if Known	
		Application Number	10/743,975
		Filing Date	12/23/2003
		First Named Inventor	Davydova et al.
		Art Unit	
Examiner Name			
Sheet 6	of 7	Attorney Docket Number	EPICEN-09587

NON PATENT LITERATURE DOCUMENTS			
Examiner Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
	105	Liu, D. et al., J. Am. Chem. Soc. 118: 1587-1594, 1996	
	106	Daubendiek, S.L. and Kool, E.T., Nature Biotechnol., 15: 273-277, 199	
	107	Diegelman, A.M. and Kool, E.T., Nucleic Acids Res., 26: 3235-3241, 1998	
	108	Diegelman, A.M. and Kool, E.T., Chem. Biol., 6: 569-576, 1999	
	109	Diegelman, A.M. et al., BioTechniques 25: 754-758, 1998	
	100	Frieden, M. et al., Angew. Chem. Int. Ed. Engl. 38: 3654-3657, 1999	
	111	Kool, E.T., Acc. Chem. Res., 31: 502-510, 1998	
	112	Falco, et al., Proc. Natl. Acad. Sci. (USA) 75:3220-3224, 197	
	113	Glucksmann-Kuis, et al., Cell, 70, 491-500, 1992	
	114	Fire, A. and Xu, S-Q, Proc. Natl. Acad. Sci. USA, 92: 4641-4645, 1995	

Examiner Signature	Date Considered
--------------------	-----------------

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

1 Applicant's unique citation designation number (optional). 2 Applicant is to place a check mark here if English language Translation is attached.

This collection of information is required by 37 CFR 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 (1-800-786-9199) and select option 2.

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

INFORMATION DISCLOSURE STATEMENT BY APPLICANT <i>(Use as many sheets as necessary)</i>				Complete if Known	
				Application Number	10/743,975
				Filing Date	12/23/2003
				First Named Inventor	Davydova et al.
				Art Unit	
				Examiner Name	
Sheet	7	of	7	Attorney Docket Number	EPICEN-09587

NON PATENT LITERATURE DOCUMENTS			
Examiner Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
	115	Dean et al., Genome Res., 11: 1095-1099, 2001	
	116	Nilsson et al., Nucleic Acids Res., 30 (14): e66, 2002	
	117	Pickering et al. Nucleic Acids Res., 30 (12): e60, 2002	
	118	Haynes, et al., Cell 41:597-605, 1985	
	119	Falco, et al., J. Biol. Chem. 255:4339-4347, 1980	
	120	Glucksmann-Kuis, et al., Cell 84:147-154, 1996	
	121	Dai et al., Genes Devepmnt. 12:2782-2790, 1998	
	122	Davidova, EK and Rothman-Denes, LB, Proc. Natl. Acad. Sci. USA 100:9250-9255, 2003	
	123	Baner, J et al., (Nucleic Acids Research, 26:5073-5078, 1998	
	124	Markiewicz, et al., Genes and Dev. 6:2010-2019, 1992	

Examiner Signature		Date Considered	
--------------------	--	-----------------	--

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

1 Applicant's unique citation designation number (optional). 2 Applicant is to place a check mark here if English language Translation is attached. This collection of information is required by 37 CFR 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 (1-800-786-9199) and select option 2.